


Pranav

 Melbourne , Australia  +61 419618328  kphkpranav@hotmail.com  Portfolio



Profiles	 Pranav	 Pranav
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Summary	Hands-on experience in cloud security, container orchestration, and secure networking. Cybersecurity isn't just a job , it's a passion. Dedicated to helping others learn and grow through mentorship and sharing knowledge in academic settings.
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Education	Monash University , Australia Cybersecurity 81.375 WAM / 3.625 GPA	Feb 2024 - Present Master
	Amrita School of Computing , India Computer Science and Engineering 8.04 GPA	Jun 2019 - Jun 2023 Bachelor of Technology

Volunteering	Monsec Sponsorship Director  Monsec	May 2025 - Present Melbourne , Australia
	Recently appointed Sponsorship Director, focused on building strong partnerships with industry stakeholders to support the club's mission. Currently preparing for Sydney SecEdu and other key events to drive funding and elevate event quality. Passionate about connecting students with valuable opportunities through workshops and outreach, turning ideas into real impact.	

Projects	WebVortex	Nov 2023 - Present
	<ul style="list-style-type: none">Developed a high-performance Rust web scraper extracting 100+ data points using multi-threading and memory optimization for 50% faster, low-latency data extraction.Automated data cleaning and keyword filtering to ensure accuracy and relevance.Implemented PDF report generation, streamlining the presentation of extracted insights.Reduced overall processing effort by 90%, enabling near real-time data insights. <p>Rust, Web Scraper, Multi-threading, Memory Optimization, Data Extraction, Low Latency, Data Cleaning, Keyword Filtering, PDF Report Generation, Automation, Real-time Insights</p>	
	Homelab	Nov 2024 - Present
	<ul style="list-style-type: none">Built a home lab using Docker and Docker Compose to efficiently deploy and manage multiple services, gaining practical container orchestration experience.Explored Kubernetes for advanced scaling, networking, and orchestration capabilities.Utilized Tailscale for secure, seamless remote access and leveraged its TLS feature to access lab resources over the internet using custom domain names with SSL certificates.Automated Docker container updates using Watchtower to maintain up-to-date and secure services. <p>Home Lab, Docker, Docker Compose, Container Orchestration, Kubernetes, Scaling, Networking, Tailscale, Secure Remote Access, Service Deployment, Hands-on Experience</p>	

Certifications	HTB Certified Penetration Testing Specialist (Ongoing)	Dec 2025
	 HTB CPTS <ul style="list-style-type: none">Currently studying Hack The Box's Penetration Tester path to develop hands-on skills in information gathering, vulnerability assessment, and Active Directory exploitation.Building a disciplined and creative approach to solving complex security challenges and overcoming advanced modules.Developing client-focused reporting skills to clearly communicate findings and recommendations.	
	AWS Certified Security - Specialty (Ongoing)	Dec 2025
	 AWS <ul style="list-style-type: none">Currently gaining hands-on expertise in implementing AWS security controls, including identity management, infrastructure protection, incident response, and data encryption.Strengthening knowledge of cloud-native security tools and best practices, with a focus on data classification and secure storage.Preparing through structured learning, practice labs, and mock exams, emphasizing enterprise-scale security and compliance alignment.	

Skills	Cybersecurity
	Cloud Security, Penetration Testing, Risk Management, Threat Identification, Security Protocols, Vulnerability Assessment, Incident Response, Network Exploitation, Web Application Security, Privilege Escalation, Lateral Movement, Post-Exploitation Techniques, Threat Modeling, Ethical Hacking, Security Testing, Active Directory Security and Exploitation
	Software / Web Development
	Go, Rust, Python, C/C++, Java, Shell, TypeScript, React, Chakra UI, Tailwind CSS, Framer Motion, Next.js, Node.js, MongoDB, Oracle SQL, DevOps, Automation, Linux, Docker, AWS, OCI